Carolina Country
January 1981
ternate Fuels Under Scrutiny
See Pages 10-11

Viewpoint

Get Back To Work, America

Reprinted from the FCX Carolina Cooperator.

When Earl Butz was Secretary of Agriculture a few years ago, he was one of those persons about whom there was little neutral feeling. You either loved him or you hated him. But regardless of how anyone felt about him, everyone agreed he wasn't shy when it came to expressing his feelings.

He's still doing it.

Case in point is a recent address he made at a Production Credit Association meeting in Michigan and quite a bit of what he had to say hit the nail squarely.

"A disease that is prevailing in America today," he said, "is how much less you can work for more wages. Until last year, when you measured productivity of non-farm labor in the United States, we were at the bottom of all industrial nations—because we haven't been working: we've been sitting on our fannies.

"One of the reasons we can feed ourselves with 17 percent of our take-home pay is because farmers haven't quit working. They believe there's nothing wrong with an honest day's work for an hones dollar; they believe there' nothing wrong with callouse hands. I wish we hadn't gotte away from this work ethic i America, where we try to curta our production while demandin a greater chunk of the pie," h said.

Turning to the growth of th federal bureaucracy, the forme Secretary of Agriculture said tha in the past three years, over 100,0(new bodies have been added t the federal payroll.

"They're gaining on us," h warned. "When you put a body i place, it finds something to do, an that something to do is to me around in your affairs, tell yo what herbicide you can or can use, make you get a dozen permi to build a new milking parlo make it so difficult to build a ne feedlot that you give up."

Recalling 1940 Presidenti candidate Wendell Wilkie statement, "Only the strong can b free, and only the productive ca be strong," Butz said Americ needs to get back to work.

"America needs that messag today," he said, "as we face th totalitarian threat from Godle communism, bent still on wor domination. The only languag they understand is power and, our case, that means tot productive power."

The Passing Scene

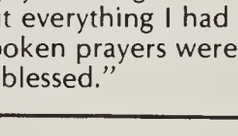
Max Cleland, the handicapped Viet Nam veteran who served as administrator of the Veterans Administration under President Carter, often used the prayer below in speeches, correspondence and personal visits.

The inspirational prayer, believed to have been written by a Confederate soldier during the Civil War, was given to Cleland by a POW who spent seven years in Hanoi. It was reprinted last year in a publication of the American Society of Association Executives.

"I asked God for strength, that I might achieve.
I was made weak that I might learn humbly to obey.
I asked for health, that I might do greater things.
I was given infirmity, that I might do better things.
I asked for riches, that I might be happy,
I was given poverty, that I might be wise.
I asked for power, that I might have the praise of men.
I was given weakness, that I mignt feel the need of God.
I asked for all things, that I might enjoy life.
I was given life, that I might enjoy all things.
I got nothing that I asked for—but everything I had hoped for.
Almost despite myself, my unspoken prayers were answered.
I am, among all men, most richly blessed."

In This Issue. . . .

8 **Paying The Legislative Piper: A Soothing Sonata**
10 **Alternate Fuels Under Scrutiny of UNC-CH Researchers**
12 **Facing South**
18 **A Helping Hand For Ecuador's Farmers**
20 **Plugging Up Your Home's Energy Gaps**
21 **Committee To Study Energy Loan Concept**



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18

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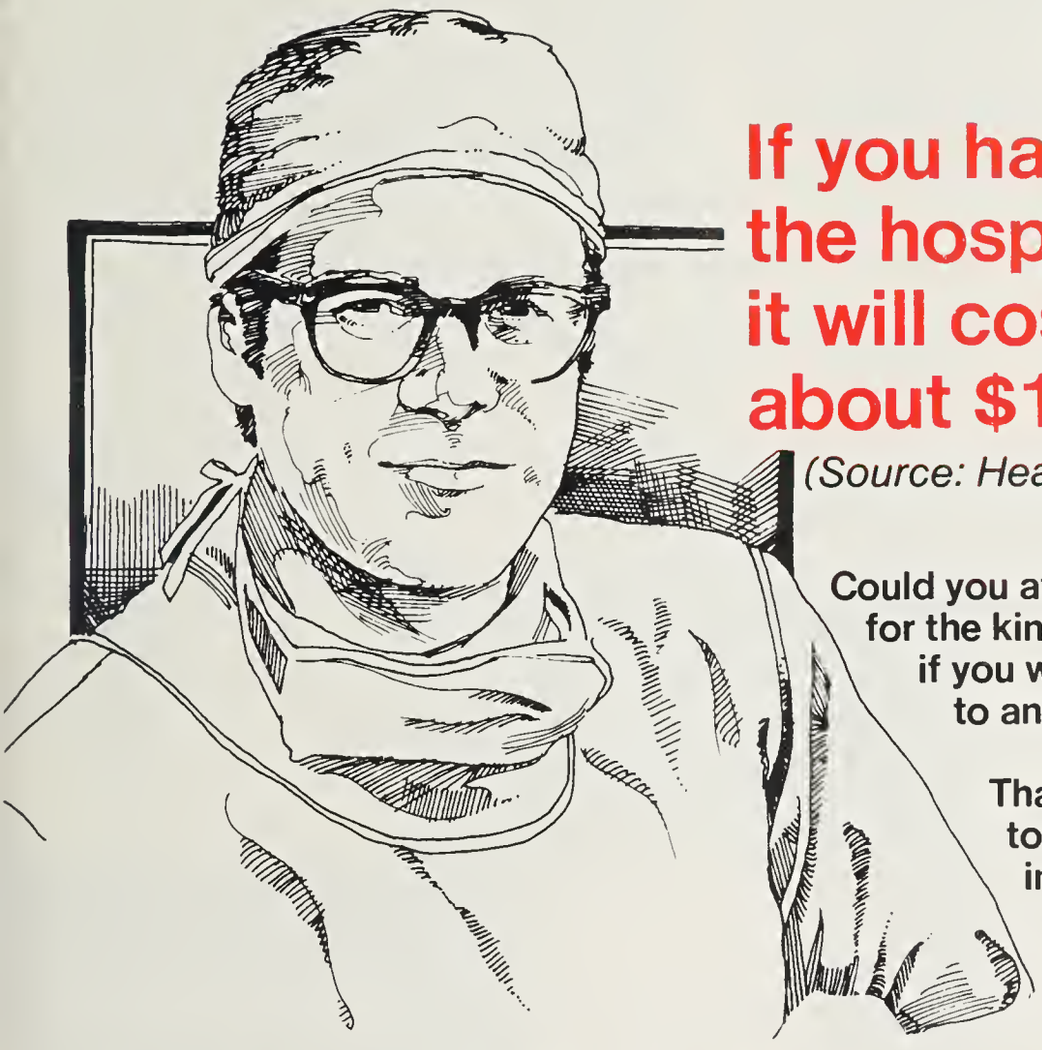

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(Source: Health Insurance Institute)

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Commentary

Cooperative Spirit Now Vital To Agribusiness

This essay was written by Dwayne and Barbara Myers of Rt. 2, Jonesville, after they participated in the 1980 Young Couples Conference sponsored by the North Carolina Cooperative Council. A dozen other couples also participated in the conference, which explored how various types of co-ops function.

The Myers, who are consumer-members of Surry-Yadkin Electric Membership Corporation, Dobson, attended the conference under the sponsorship of the Winston-Salem Farm Credit Service.

The cooperative spirit is essential to agribusiness in the United States.

Traditionally, farmers have depended on their cohorts. In early agriculture, the farmer required neighborly assistance with labor needs. The specialized farmer of today depends on fellow farmers to assist his enterprise through membership in agricultural cooperatives.

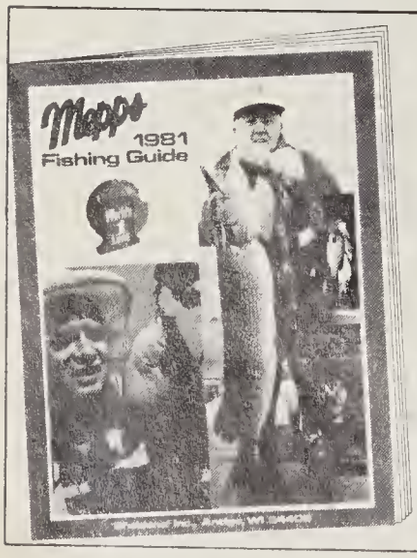
Modern technology has provided the farmer of the 1980s with the equipment to efficiently handle many labor needs. However, the need for cooperation has never been greater in acquiring financial assistance, supplies, services, and marketing power. Cooperatives fulfill many of these needs.

A cooperative is owned and operated by its members. When a farmer joins a cooperative, he is aligning himself with an organization governed by democratic principles. Each member has voting powers and is eligible for membership on the board of directors.

Cooperatives provide many necessary services to members. Often a service may not be economically feasible for an individual investor to provide. When many users join together, however, the service can be provided. Rural electrification, rural telephone services, cooperative service and supply companies and cooperative financing institutions are in this category.

Nowhere are the benefits of cooperative membership more obvious than in the marketplace. All aspects of good farming can be at their best, but if there is no market, it is all to no avail. When farmers band together, they can often receive better marketing conditions and better prices.

The cooperative effort is vital to agribusiness. Support agriculture by supporting cooperatives.



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Cover: James Valentine Photo of Snowy Drift Falls

This shot of Drift Falls near Cashiers was made by professional photographer James P. Valentine of Highlands, whose outstanding camera work was featured in the recent book *North Carolina*. This photo appeared in a full color 1981 calendar illustrated with Valentine photos.

We're grateful to Valentine and the calendar's publishers, Hickory Printing Co., for the use of the photo's color separations for our cover.

The calendar is available in book stores across the state, or may be ordered from Hickory Printing Co. P.O. Box 69, Hickory, N.C. 28601. Send $7.95 plus 3 percent sales tax for each calendar ordered.

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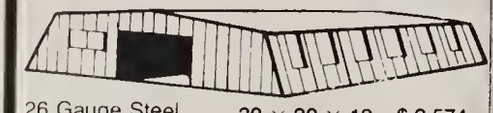

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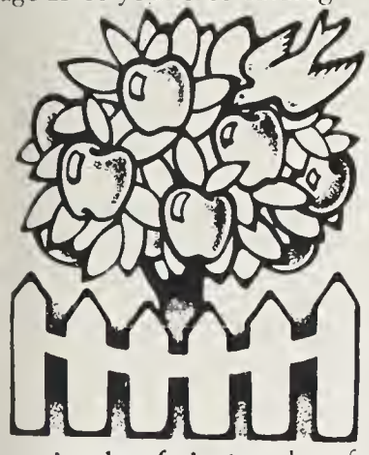

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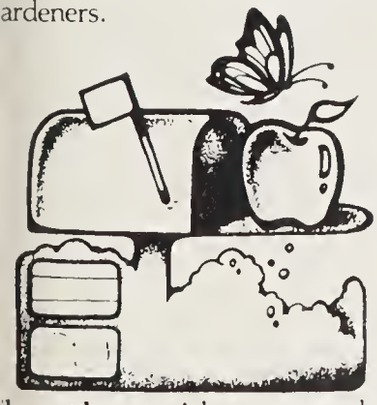

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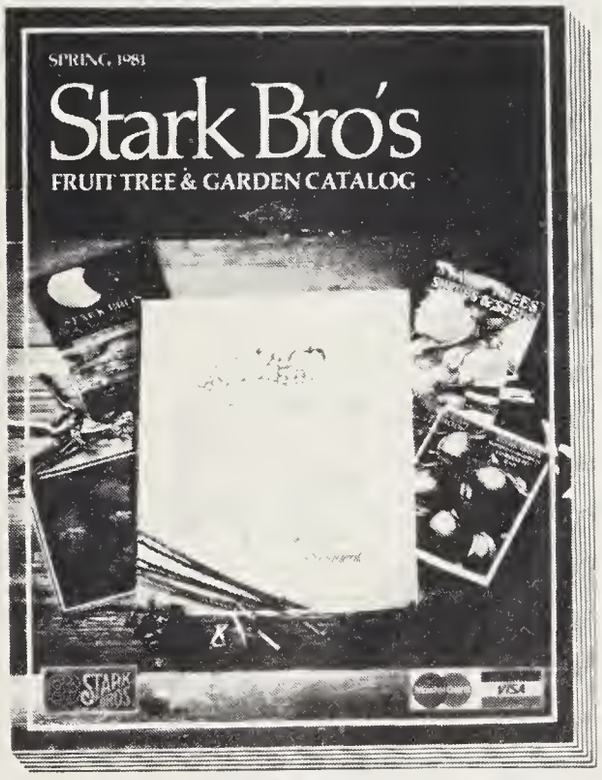

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Montana Specialist Heads Extension Home Economics

Dr. Martha Johnson has been selected to succeed Dr. Eloise Cofer as head of home economics programs for the North Carolina Agricultural Extension Service.

Johnson's appointment was announced by State Extension Director T. C. Blalock following approval by the N.C. State University Board of Trustees and The University of North Carolina's Board of Governors.

Johnson, 38, was previously in charge of human development programs for the Montana Cooperative Extension Service. Her responsibilities included home economics, 4-H and community resource development.

Johnson is a native of Georgia with degrees in home economics education, foods and nutrition, and adult and community college education. Her Ph.D. is from N.C. State University.

She assumed her new duties Dec. 15.

The extension home economics program is carried out by home economics agents in each county and by specialists located at NCSU. In addition to being in charge of home economics, Johnson also serves as assistant director of the Extension Service.

Dr. Cofer, who held the position for 17 years, retired last June 30.

Five N.C. Towns Cited For Downtown Projects

Five North Carolina towns have received national recognition for their downtown improvement projects.

New Bern, Salisbury, Shelby, Tarboro and Washington were proclaimed National Main Street Communities.

"More often than not, our main streets are going under," Sara W. Hodgkins, N.C. secretary of Cultural Resources, told officials from the towns in special ceremonies.

The five towns were among 30 small U.S. cities with downtown revitalization projects that were selected to receive technical help from the National Main Street Center, a part of the National Trust for Historic Preservation.

Lumbee River Director Joins Statewide Boards

James H. Hammonds of Rt. 3, Lumberton, secretary of the Board of Directors of Lumbee River Electric Membership Corporation, Red Springs, has been appointed to the boards of two statewide rural electric organizations.

He'll serve as one of the co-op's two members of the boards of the North Carolina Association of Electric Cooperatives and as a member of the delegate body of Tarheel Electric Membership Association. The former serves as th statewide trade association for the EMCs, while the latter is a central purchasing and supply operation serving the co-ops.

Also representing Lumbee River EMC on these boards is Manager Derl Hinson.

Hammonds, who has served on the Lumbee River EMC board since 1973, succeeds Elias Rogers of Rt. 1, Red Springs, president of the Lumbee River board, on these two statewide boards.

Institute of Government Offers Summer Internship

Sophomores, juniors and seniors enrolled in North Carolina colleges or North Carolina residents attending out-of-state colleges have until Feb. 2 to apply for the summe internship program in state government sponsored by the Institute of Government of the University of North Carolina at Chapel Hill.

Twenty-four students will be selected to participate in the program, which will last from May 2 to Aug. 7, 1981.

The interns will work 40 hours each week in responsible positions in state government agencies in Raleigh. They will live on the N.C. State University campus and participate in seminars with state political leaders.

Students will be paid approximately $130 per week, and college credit may be available.

Brochures giving information about the program and application forms are available at college and university placement offices, local job service offices, or the Institute o Government.

Students interested in participatin should send applications to the Institute of Government, Knapp Building 0591, UNC-CH, Chapel Hill N.C. 27514, by Feb. 2. Applicants will be accepted without respect to race, sex, color, national origin, religion or handicap.

Piedmont EMC Loan Gets REA Approval

A loan of $3.5 million has been approved by the Rural Electrification Administration for system expansion and improvements at Piedmont Electric Membership Corporation, Hillsborough.

The loan will cover 70 percent of the financing for the project, which includes service for 2,240 additional consumers, 97 miles of distributing line, additional headquarters facilities and various system improvements.

The remaining 30 percent of the financing is expected to come from the National Rural Utilities Cooperative Finance Corporation.

On completion of the project, Piedmont EMC will be serving about 18,000 consumers over 2,190 miles of line in portions of Alamance, Caswell, Durham, Granville, Orange and Person Counties.

Portraits Honor Six Extension Pioneers

Six pioneer Agricultural Extension workers have been honored through the installation of their portraits in Coltrane Hall, the headquarters building for the program at N.C. A&T State University.

Two of the pioneers, Dazelle Lowe and R. E. Jones, were present when the portraits were unveiled. The other four, David S. Coltrane, John W. Jeffries, John W. Mitchell and John E. Wray, are deceased. Also honored was the late L. E. (Captain) Hill, for whom no known portrait exists.

Mrs. Lowe was the first black woman to serve as a district agent. Jones was the first person to serve as "Negro 4-H Club Specialist." Coltrane, a former county agent, became budget director in the administration of Gov. Kerr Scott.

Jeffries and Mitchell both served as district agents. Mitchell was also a state agent and Jeffries, an assistant state agent.

Wray was the first "Negro Boys Club Leader" and Hall was the first Negro District Agent.

Directors Elected At Four EMCs

Twelve incumbents and four newcomers have been elected to the Boards of Directors of four North Carolina Electric Membership Corporations during recent EMC annual meetings:

Pitt and Greene EMC, Farmville — Re-elected were J. J. Grimsley of Rt. 1, Ayden; Mark W. Mozingo of Rt. 2, Farmville and Joe Edwards Jr. of Rt. 1, Hookerton.

Tideland EMC, Pantego — Re-elected were Kenneth Gray of Rt. 1, Scranton; Vernon Canady of Pantego; Carroll Austin of Rt. 2, Aurora and G. A. Whitford III of Rt. 1, Ernul.

Carteret-Craven EMC, Morehead City — Re-elected were Gordon S. Becton of Rt. 2, Newport; Roger W. Jones of Rt. 1, Newport; Gordon K. Laughton of Morehead City and Roy E. McCabe of Rt. 1, Havelock.

Brunswick EMC, Shallotte — Re-elected was W. D. Frink of Ash. Newcomers elected to the board were Robert Gaskins of Rt. 3, Tabor City; Frederick Tedder of Rt. 1, Hallsboro; Kenneth Bellamy of Southport and Hugh David Vance of Rt. 1, Ash.

NCSU Gets National Award In Agricultural Technology

North Carolina State University has been awarded the first annual Award for Excellence in Agriculture Technology, presented by the National Association of State Departments of Agriculture. Co-sponsor of the $1,000 award is R. J. Reynolds Industries.

NCSU received the award from among 37 applicants because of its program "aimed at strengthening student placement in the Agricultural Institute." The two-year institute educates students to manage farms and business related to agriculture.

Home Folks

Mary Floyce Sigmon of Greensboro, a teacher at Grimsley Senior High School, has been honored as home economics teacher of the year by the N.C. Home Economics Association. In addition, the organization named **Dr. Eloise Cofer,** retired head of home economics programs for the N.C. Agricultural Extension Service, as home economist of the year. . . .The 17th annual North Carolina Awards were presented recently to **Fred Chappell** of Greensboro, poet, novelist and professor at the University of North Carolina at Greensboro, for literature; **Dr. George R. Hitchings** of Durham, medical chemist who was fomerly with Burroughs Welcome Co., for science; **Robert Lindgren** of Winston-Salem, dean of the School of Dance at the N.C. School of the Arts, for fine arts and Former **Gov. Dan K. Moore** and his wife, **Jeanelle C. Moore** of Raleigh, for public service. . . **Dr. William M. Long** of Mocksville, a practitioner for more than 40 years, has been named family physician of the year by the N.C. Academy of Family Physicians. . . .**Dr. W. G. Andrews** of Raleigh, southeast district chairman for the N.C. Agricultural Extension Service, has received a special award from the nine-county Neuse Area Development Association for his cooperation and support. . . .Rutherford County Extension Chairman **G. E. (Ed) Biddix Jr.** has transferred to Buncombe County as chairman. He had held the Rutherford post for the past 12 years. . . **William J. Scott,** director of the Scotland County Parks and Recreation Commission, has received the Fellow Award of the N.C. Recreation and Park Society in recognition of contributions to the parks and recreation field.

Paying The Legislative Piper: A Soothing Sonata For Tar Heel Taxpayers

George Hall, General Assemb
administrative office

When the North Carolina General Assembly convenes its 1981 biennial session this month, the legislative building in Raleigh will once again begin emitting the sweet-and-sour sounds of lawmakers at work.

It'll bring a marked rise in the decibel-levels along the halls of the 18-year-old facility, which has produced no more than a low hum since the state's 170 legislators last assembled for business.

That steady hum arises from the continuing activity carried on in the building between sessions —by legislative committees and by a permanent staff.

The halls might once have fallen fully silent during such periods, save for occasional sounds of security and maintenance workers echoing through the huge structure.

But in recent years, the legislative process has become so burdensome that it has required a full-time staff to make the part-time legislators effective.

The staff now numbers 105, in addition to the required maintenance and food service employees. When the lawmakers come to town for a session, another 300 temporary workers are added to the payroll.

That payroll, plus the costs of paper, paper clips, pencils and other essential supplies, bring the total cost of operating the General Assembly to between $8 and $10 million a year. The lower figure covers those years when short sessions are held, while the higher figure covers those years with six-month sessions.

Taxpayers may not find that melody to their liking, but it could be considered a soothing sonata compared to the legislative concerto that their counterparts in other states must endure.

North Carolina spends less per capita to operate its legislature than any other state in the nation. The per capita cost was 66 cents for the short-session year of 1978, when the national average was $2.82.

"We're just conservative with what we do," said George Hall, the General Assembly's administrative officer. "It's tight here. We do a lot of shuffling around. We don't buy anything unless we just have to have it —maybe a new filing cabinet every once in awhile or some new equipment for a new staff member. But that's about it. I don't think there's a lot of waste."

The state spent $4.5 million to build the legislative building in 1962, plus another million to furnish it.

At that time, there was no permanent staff and the planners never envisioned one. As the need for such a staff arose, the building had to have some minor alterations to accommodate the staff, but the changes were relatively inexpensive, Hall said.

In fact, he added, the staff has pretty much fit into the facilities that were provided when the building was erected.

However, those facilities get awfully crowded when the legislature's in session, Hall pointed out.

That problem should be eliminate when the state finishes constructio on a new $8.5 million office building t be shared by the legislature an administration. The six-story structure featuring 173,000 square feet of floo space, is scheduled for completion i late 1981.

Hall said the General Assembly' expenses are kept low in part becaus of the availability of a ready pool o temporary workers, many of whon come back year after year.

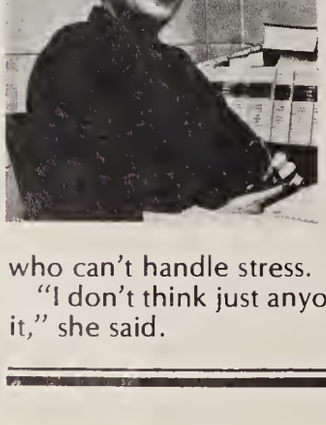
"Many are folks who have bee working like this for years," he said. "I tickles us to death, of course, that w can get these experienced people They don't have to come back but the do. We have to recruit very few."

Another reason for the lo operating cost is the willingness of th legislators to accept relatively lo salaries and expense accounts compared with those provided b other states.

"We're a conservative state," Hal added. "We just don't do what some other states do."

Sessions Keep Staff "Hopping"

Even with roughly 400 staffers on hand, session time at the North Carolina General Assembly is a "race-race" period, with everybody "hopping" constantly, according to Grace Collins, principal clerk of the House.



"The public doesn't really know what's involved," she said. "For that matter, most of the members don't know what's involved."

Getting to the office before dawn and leaving late into the night is just part of the job for her office when the legislature is meeting. All the loose ends must be taken care of following each day's session, and then, everything must be put in readiness for the next day, Mrs. Collins said.

In addition, a legislative employee must cope with a seemingly endless stream of interruptions from members, guests, lobbyists, taxpayers, the media and others.

As a result, Mrs. Collins says it's not a job for those who can't handle stress.

"I don't think just anyone could work in this type of atmosphere. But I enjoy it," she said.

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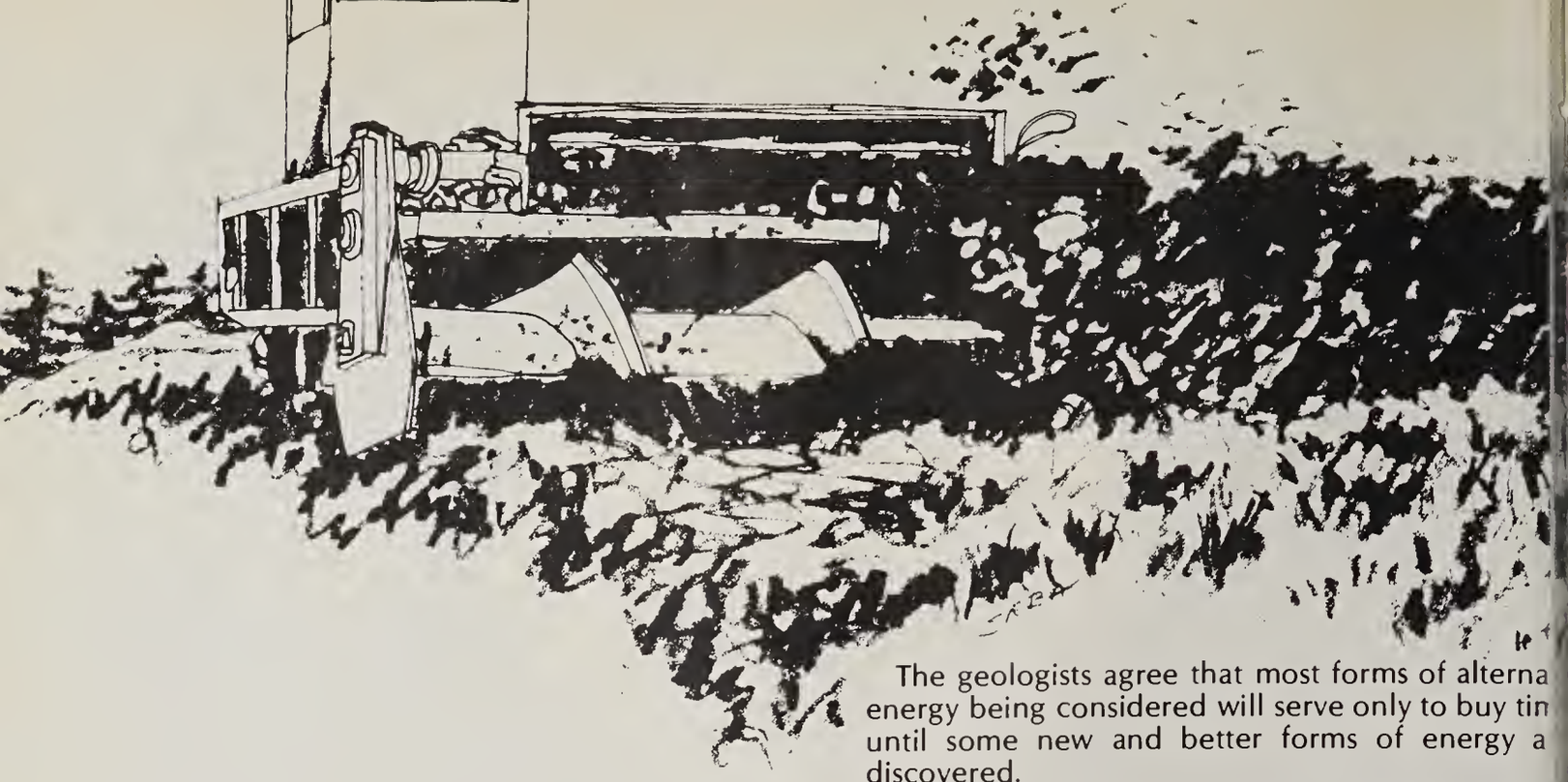


Alternate Fuels Under Scrutiny Of UNC-CH Researchers

North Carolina's Electric Membership Corporations are currently seeking funds to establish the feasibility of a demonstration peat-fired electric generating plant in Northeast North Carolina.

In this story, three geologists at the University of North Carolina at Chapel Hill discuss their research on the state's peat resources and other alternative fuels.

With the world's attention focused on the events in foreign oil countries, geologists at the University of North Carolina at Chapel Hill have been working on the problems of domestic energy supply.

Professor Roy L. Ingram, for example, has been leading expeditions into the coastal swamps of North Carolina in search of what may prove to be the state's most significant fuel contribution: peat.

Professor John M. Dennison has been working with the Institute of Gas Technology in Chicago to find more productive ways of extracting synthetic gas and oil from Eastern shale rock.

And, Professor Daniel A. Textoris has been studying the possible existence of huge pockets of methane gas trapped deep beneath the Earth's crust.

Peat

One of those contributions could come from peat, the ancient fuel of Ireland, Finland and the Soviet Union, which Dr. Ingram said is in abundant supply along the North Carolina coast.

The geologists agree that most forms of alterna energy being considered will serve only to buy tin until some new and better forms of energy a discovered.

But, with the United States running out c conventional fuels, even a small assist from alternativ fuels could help, they say.

Backed by a $1,000,000 grant from the N.C. Energ Institute and $350,000 from the U.S. Department c Energy, Dr. Ingram is trying to find out exactly hov much peat the state has.

"This project is an inventory of the total pea reserves in North Carolina," he said. "We're t determine where the peat is located, how thick it i and what its quality is."

So far, he said, the signs point to good, thic deposits of low-sulfur peat. First Colony Farms, whic owns more than 150,000 acres of peat in four coasta counties, has been conducting extensive tests o various means of harvesting peat.

Dr. Ingram said the major drawback to harvesting i that the peat is about 90 percent water.

In the Soviet Union, vacuum-like machines ar used to sweep peat from the ground, but Nort Carolina peat is too woody for that technique.

The alternative is a compacting machine that uses large cutting wheel to scoop peat from the bog. The peat is tossed back into a compactor that grinds ou sausage-shaped chunks of peat to dry in the field.

Other states, Minnesota for example, have more peat than North Carolina, Dr. Ingram said, but Nort Carolina has a better climate for drying the fuel — climate that eventually could allow up to 20 harvesting days.

Peat can be used in different ways.

Dried peat can be ground into a fine powder and mixed with oil for firing industrial boilers. It can be compressed into bricks and mixed with coal to reduce the pollution-causing sulfur content of coal. Some experiments also hold possibilities for converting peat into a gas or extracting oil from it.

Dr. Ingram, who said his study is about half finished expects to complete the project within two years.

The first step in harvesting peat is to drain the boggy area. Machinery like this peat harvester mills the peat up, where it can sun-dry on the ground's surface for a few days. A UNC-CH geology professor is currently conducting a study to locate North Carolina's eat reserves. (Illustration by Lynne Srba of the Research Triangle staff, rinted from RTI's monthly publication Hypotenuse.)

So far, he has been encouraged by his findings.

"Our best estimate now is that the state has about ,000 square miles underlain by peat. That's quivalent to about 600 million tons of dried peat, hich is very significant."

Peat may be the only fuel North Carolina can rovide on a large scale, Ingram added, since oil, atural gas and uranium exploration in the state has rned up very little to be optimistic about.

hale

On another energy front, Dr. Dennison has been orking with the Institute of Gas Technology in hicago on the possibilities of getting more synthetic as and oil from shale rock, layers of which stretch om Tennessee to New York.

During the Paleozoic era, large deposits of shale ere formed from the sediment left behind by allow seas that intruded far into the continent. In at sediment were the makings of gas and oil.

The professor said the nation's largest ncentrations of shale are in Tennessee, Kentucky, uthern Indiana and southern Ohio, where major dustries are moving at a "good pace" to tap this source.

"Most attention is now being paid to this in entucky," he said, adding that he expects to see at ast one major shale oil plant in operation before the nd of the next decade.

"We're moving very fast toward commercialization f shale oil now — and that's very heartening."

Synthetic shale oil is becoming increasingly portant to the United States, but so far most of the tention has focused on western shales that, in some ses, actually ooze oil. A ton of western shale rock nerally yields 25-30 gallons of oil while eastern ale yields about 10-13 gallons per ton.

Dr. Dennison said a new chemical process may duce that inequity considerably. By grinding up the rip-mined rocks and cooking them in a very hot ssel with hydrogen, scientists have found that they n double the gas and oil output of eastern shale ck.

Going further, Dennison said, chemists have arned that uranium and other valuable minerals in shale can be leached from the rock once the gas and oil have been removed. Then the waste material can be returned to the ground from which it was strip mined.

Methane Gas

Dr. Textoris has been involved with a more revolutionary and controversial theory, which states that huge quantities of methane gas are constantly being formed some 50,000 feet below the Earth's surface. Unlike most methane gas formed from decaying matter, the theory holds, this type of methane is formed from material that made up the Earth at its origin, and is therefore of nonbiologic origin.

Scientists who subscribe to the theory say the methane gas is always moving out from the planet and that it could be used as a form of energy.

In a report to a congressional committee, Textoris concluded that "nonbiologic gas," as the methane is called, probably does exist, but there is no way at present to determine how much there is or how to get at it.

Sandstone Brine

Textoris also has done some basic research on the use of superheated brine buried in sandstone beds in the Gulf Coast area of Louisiana and Texas. Formed in old deltas, the beds in thick sedimentary rocks hold salt water that gets mixed with gas and oil.

When the brine is released by drilling, Dr. Textoris said, heat and pressure are released at the same time and could be used for energy. But there is a shag, What to do with the spent brine? If put back in the ocean, it would contaminate near-shore coastal areas.

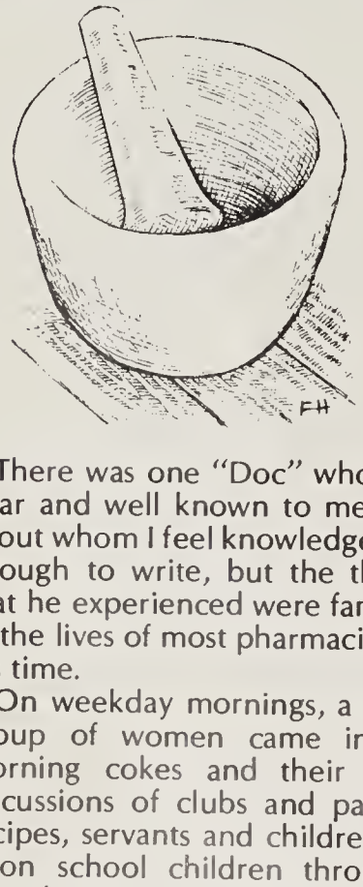
The UNC-CH geologists say time is running out for conventional fuels. Not much oil is left to be found, but the world may run for years on its byproducts.

"Many techniques are being developed," Textoris said. "What we are doing is buying time until technology can catch up. Thousands of people are all doing little things. If we have faith, we will come out of the energy crisis all right."

Doc: An Accommodating Friend

Drug stores do not look at all the way they used to forty years ago, and they no longer have the distinctive smell that was so pleasant and that you could recognize at once with your eyes closed.

Years ago, most drugstores in small Southern towns were privately owned and in every one of them there had to be a pharmacist, who, in most cases, was affectionately called "Doc." New acquaintances might address him as "Doctor So-and-So," but this did not last long. He was not only a pharmacist, but also someone whom you could phone for advice when no doctor was available, a counselor, an accommodating friend and a source of news.



There was one "Doc" who was dear and well known to me and about whom I feel knowledgeable enough to write, but the things that he experienced were familiar in the lives of most pharmacists in his time.

On weekday mornings, a large group of women came in for morning cokes and their daily discussions of clubs and parties, recipes, servants and children. At noon school children thronged the place to get milkshakes and sandwiches. The older girls were not above a bit of flirting with the soda clerk, which sometimes resulted in their receiving an extra scoop of ice cream or an extra dash of chocolate syrup.

Between three and four o'clock, businessmen drifted in for an afternoon break.

Remedy A Picker-Upper

A headache remedy invented by a local doctor contained a small amount of alcohol and was quite a picker-upper. Headaches were prevalent at that time of day and many customers asked to have the medicine added to their cokes. One, in particular, usually needed three doses to get any real relief. By seven-thirty in the evening, a group of townsmen began to congregate, having finished dinner, and not yet having experienced television.

In warm months they discussed the local baseball or softball teams, and in cold weather, football and basketball, but politics were of interest the year round. On election nights, candidates and active campaigners gathered around Doc's cluttered desk in a secluded spot at the back of the store to celebrate, with a discreet nip, the accepted finish of a hard fight.

Doc knew a lot about human nature, but it always puzzled him why a person would go to a clinic, sit a long time in a crowded waiting room to see a doctor, pay a fee, then bring the doctor's prescription to the store and say, "I don't know whether to have it filled or not. Do you think it will do me any good? I got the high blood." When he was reassured the medicine was indeed efficacious, he went on his way, if not happier, at least, hopeful.

Favors Were Expected

People just took it for granted that Doc would do certain favors for them, if they asked. Doctors' wives would not dream of being seen entering the local ABC store, so when alcoholic ingredients were needed for egg nog. Do either went to the store for them sent the porter. If ice cream molds was needed for a weddi reception, or even just a bridg party, Doc ordered them fro Raleigh, soothing a distraug hostess if her refreshments we late in arriving, making lon distance calls to hasten th delivery, or as happened on on occasion, driving 40 miles rescue the order off a broke down truck.

If one needed a packag wrapped for mailing, a few stamp an extra quart of milk on Sunday a suddenly-depleted baby formu replenished, one called Doc. H coped with many an emergency

No Modern-Day Docs

There are no longer mar equivalents of the druggists or used to know. The big chain store are modern, clean and friendl but the pharmacist, as a rul confines himself to th prescription department. This usually on a level a few feet abov the main floor, so that you reac up to him for your fille prescription, and somehow h seems at a distance not conducive to your telling him how sick you child is, or any of the othe troubles that used to be confide to the druggist of other days. No can you tell him that, although yo cannot pay now, in sixty days h will get his money, or some of it

Doc was used to waiting. H drove a vintage Ford while peopl who owed him often rode i Chryslers and Buicks, but that wa life.

To those who remember the fiv cent coke and the big ceiling fa Doc is still a memory, too, and believe that he would feel tha such remembrance was rewar enough.

Margaret H. Marti
Roanoke Rapid

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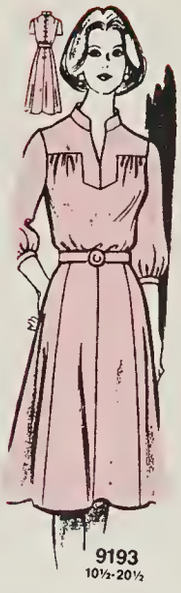

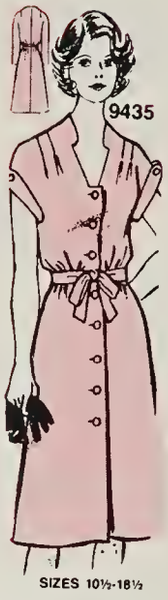

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Country Kitchen

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Everyone in the house is sick of turkey and ham, and the Christmas bills continue to roll in. Your family is ready for a change, and you need to watch the budget. This recipe, which uses a less expensive cut of beef, is the answer. It's a delightful change from the holiday fare, and is really a "meal in one" dish. Add a crisp salad, a basket of hot rolls, and your dinner is complete.

COUNTRY KITCHEN RECIPE

Submitted by Mrs. Walda Breedlove of Winston-Salem

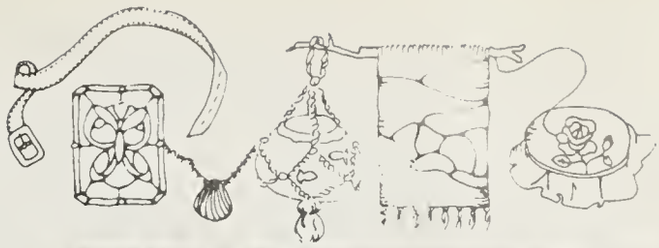
STEAK SUPREME

2 Tbl. margarine
1 piece round steak, ½" thick
1 small onion, chopped
1 stalk celery, diced
1 large carrot ¼" thick pieces
1 small green pepper, seeded and chopped
Salt and pepper to taste
½ C. catsup
½ C. water

Coat meat with flour on both sides. Brown steak in skillet in margarine. Remove to large baking dish and set aside. Mix remaining cut vegetables together and sprinkle over meat. Salt and pepper. Mix catsup and water together. Pour over meat and vegetables. Bake at 350° for 1½ to 2 hours or until tender.

If you would like to share a recipe with this column, send it to: CAROLINA COUNTRY, P.O. Box 27306, Raleigh, NC 27611. W pay $5. for published recipes and present each monthly winner a set of 50 recipe cards with the winning recipe printed o them.

Do Your Own Thing



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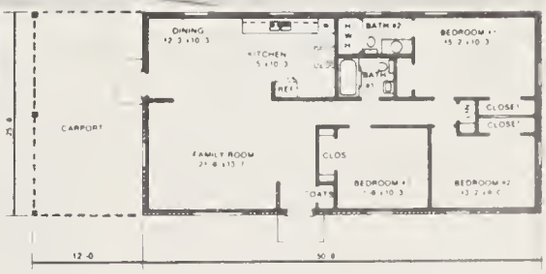

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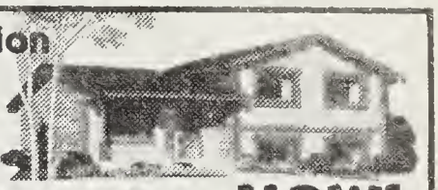

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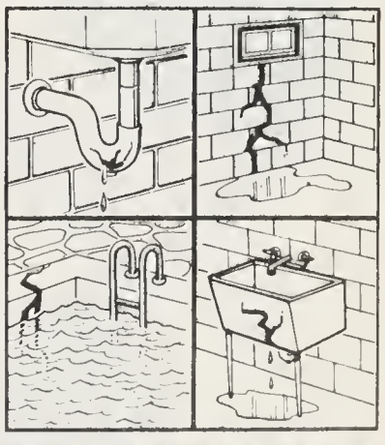

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LEFT — Jesse Hicks of North Carolina uses a local hand tool, an "asadon," to install a water-retarding practice on a mountain in Ecuador. Locations like this are cultivated in the South American country. ABOVE — Small plots in wooden boxes were used to demonstrate conservation practices to small farmers in Ecuador. This exhibit shows the value of soil cover in erosion prevention.

A Helping Hand For Ecuador's Farmers

A North Carolina—Ecuador Connection

First In A Series

This is the first in a three-part series on programs linking North Carolina with nations abroad.

North Carolina and several of her soil conservation specialists are currently involved in a project offering assistance, support and encouragement to help farmers in Ecuador attack that country's severe soil erosion problems.

The small South American nation is largely agricultural, with productive farms ranging from plantations that produce coffee and bananas along the coast to grain and other food crops on the foothills and Andes Mountains.

Erosion Reduces Food Supply

But, Ecuadorians have trouble raising sufficient food due to soil erosion, particularly on the steep land used for much of the agriculture.

In fact, erosion has been a problem in the nation for years, with virtually no conservation work going on. This has been due to a lack of money, the absence of a government policy and even such problems as lack of a common language. Although most Ecuadorians speak Spanish, many small farmers speak an Indian dialect called Quecha—and do not speak the official language.

One-Acre Farms Common

While the nation has a number of large landowners, many small farmers have as little as a single acre. One sloping hillside will provide the entire acreage for several "farms."

For several years, interest in conservation program has bee growing. Back in 1975 INIAP — th initials for a group that translates as th Soils Department of the Agricultura Research Institute of Ecuador – started a program of conservation. British mission carried out a experiment in minimum tillag (planting without conventiona plowing) in the mountainous Sierra c Ecuador.

Program Gained Momentum

The program gained momentum i 1977 when Jesse L. Hicks, Nort Carolina's state conservationist wit the U.S. Soil Conservation Service wa invited (and his expenses paid) b INIAP to visit the Andean nation an make recommendations. He wa joined on a tour by Dr. Sam Portch, a agronomist from the Agro Scienc Environmental Institute of Orang City, Fla. The two made a 17-day tou that covered the nation from th seacoast to the Andes.

Following this tour, Hicks strongl recommended a national program o soil conservation be provided. He sai soil erosion is found in ever geographic area and that the nation "i paying a tremendous price in loss o soil, flooding and sedimentation o streams and rivers."

Later, the British mission invited Dr. Morgan, an internationally recog nized authority on soil conservatio from England, to make a visit. He confirmed the observations made b Hicks and Portch.

Text by Frank Jeter Jr., public information officer for USDA-Soil Conservation Service in North Carolina.

The North Carolina agricultural leader was able to provide other assistance. In order to learn about both theoretical and practical conservation, agriculturists from Ecuador were invited to North Carolina for several weeks of training with Soil Conservation Service people.

Ecuadorians Train in North Carolina

Four Ecuadorians came for training during 1978, and went home enthusiastic about what they had learned. Early in 1979 another member came for training, and this year Jose Espinosa of Quito, who holds a master's degree in soils from Michigan State University, is the sixth Ecuadorian to come to North Carolina to learn the soil conservation business.

Much learning is needed. During his tour, when instructing small farmers in conservation techniques in small villages in the interior of Ecuador, Hicks was surprised to find that many small towns away from the capitol of Quito had no electricity.

Part of the training was to project slides showing erosion—and ways of preventing it. Since there often was no electric power, a portable generator was hauled from town to town in a pick-up truck. The projector was hooked up, and the audiences were enchanted by the bright light on the screen, as well as the images projected.

The standard diet of Indian families in many of the small villages is corn meal and beans, with very little variety. One of the "treats" that rural Ecuadorians enjoy is the prolific guinea pig. To them, the small animal is a real delicacy.

What does the future hold? A life that can only be better. When erosion is under control, more varied foods can be grown, and even the normally cheerful Ecuadorians will doubtless enjoy a more varied diet.

Such export crops as coffee and bananas can be increased, to provide more "cash crops" for the nation.

Program May Take Years

The Ecuadorian agriculturists who have trained with the SCS in North Carolina go to work when they return home. It may take years to get a comprehensive conservation effort going, but the nation has two vital assets: keen interest and knowledge of how to do the job.

If Ecuador has a better life in future years, they will owe something to what one of the visiting agriculturists called "Conservation — the North Carolina way."

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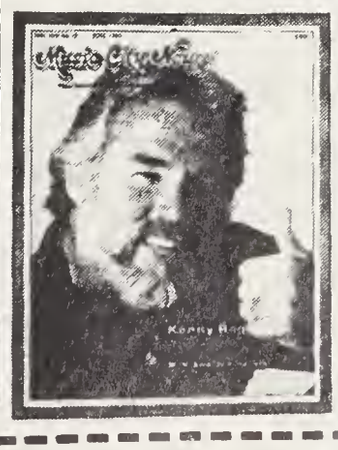

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Will Save Heat, Money

Plugging Your Home's Overlooked Gaps

This energy conservation feature was prepared by the Office of Public Affairs of the U.S. Department of Energy.

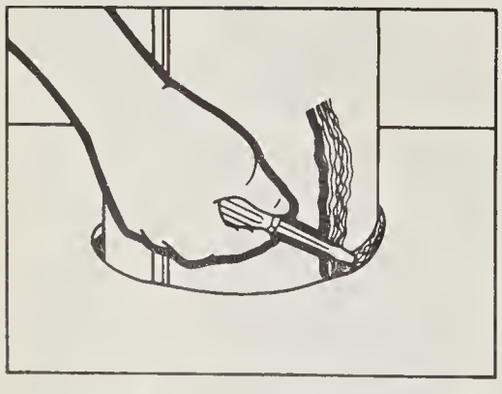
Even if you have insulated the attic and walls, and have caulked and weatherstripped around doors and windows, you may have overlooked some gaps that will continue to cost you dollars and heat.

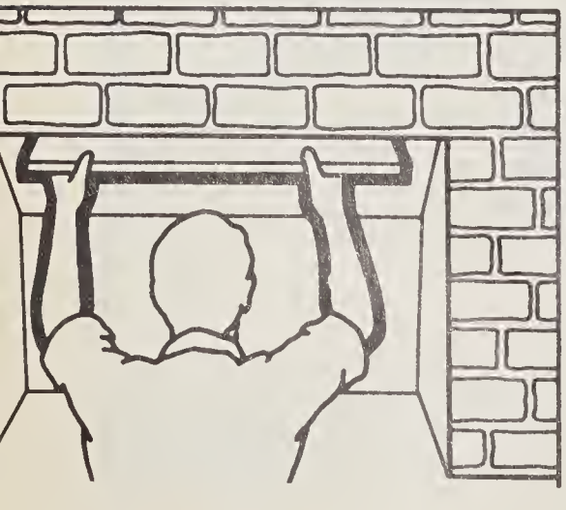
Some of these gaps can be closed at small expense and for a substantial return. Here are two areas that are commonly ignored:

The Chimney

It is not unusual to find a gap of an inch or wider in a fireplace whose damper is closed. This can create a major air leak when the fireplace is not in use, because the chimney itself encourages a strong flow of air.

One way to stop the leak is to





stuff the gap with insulation, or, if it is too large to insulate, to cover it with a board. The stuffing or covering obviously *must be removed before the fireplace is used.*

In a cold climate, you can plug the damper and save $45 a year with electric resistance heat, $20 with gas heat and $30 with oil heat, depending on where you set the thermostat and the size of the gap.

The Attic

Step into your attic some winter night.

Even if it is insulated at floor level, you may be surprised to find the attic is much warmer than the outside air. That means that some of the downstairs heat has escaped up to where it won't do you any good.

It is common to find large openings where pipes, ducts or exhaust fans are cut through the attic floor. But they can be stuffed with foil-backed insulation or scrap plastic such as dry cleaner bags taped in place. Stopping attic by-passes can save from $25 to $80 a year in heating costs.

All the obvious holes and gaps can be plugged with the exception of the gaps around recessed light fixtures and the vents in the attic. *Do not cover light fixtures directly with insulation as this may cause a fire.* Also, the vents must be able to breathe so that they can prevent moisture accumulation in the attic.

Another major attic by-pass is the gap where the furnace stack or chimney meets the wood framing of the house.

This gap is important, because it often creates a kind of mini-chimney effect, carrying air all the way from the basement to the attic and making a river of heat loss. Fireproof insulation can be stuffed between the wood frame and the wall of the chimney. *Do not use cellulose here, as it may burn.*

Another good candidate for a little insulation is the attic door. It should be covered with a batt of foil-backed insulation. The edges of the door should be weather-stripped so that air cannot escape around the sides. This measure alone can save $20 if you have electric heat, $8 for gas heat, and $12 for oil heat. It will also save on air-conditioning costs.

Telephone Hotline Offers Energy Tips

The North Carolina Energy Division has a brand new service for you!

By dialing the agency's toll-free hotline number, you can ask to listen to tapes on various energy topics. The series currently features 28 tapes, but others may be added.

To get the energy scoop, dial 1-800-662-7131. Request the tape you want to hear.

Hotline tapes available are:

1. Alcohol Fuels
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26. Windows
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28. Woodheating

EMC Manager Appointed

Committee To Study Energy Loan Concept

Donald Rice, manager of Crescent Electric Membership Corporation, Statesville, has been appointed by Gov. Jim Hunt to a new study group that will explore a proposal for state-assisted energy loans to homeowners.

Nine-Member Committee

The nine-member committee is to determine whether the state can provide financial assistance—possibly in the form of low-interest bonds—that would enable homeowners to borrow money to pay for energy-saving improvements.

"This may be the kind of idea that can help get energy-saving technologies off the drawing boards and off the demonstration floors and into our homes," Hunt said.

"It might enable homeowners to pay for improvements that could save them significant amounts of money on their utility bills.

Technology No Mystery

"The technology is no mystery. It is here and now. The problem is that very few North Carolinians have the $500 to $2,500 that it can cost to add storm windows and doors, insulation, solar hot water heaters and other energy-efficient devices," Hunt said.

Dr. Robert Fischbach, director of the Public Staff of the State Utilities Commission, was named chairman of the group.

Other members are:

- Wanda Crook of Charlotte, vice president for corporate marketing at N.C. Federal Savings & Loan Association.
- Don Denton of Charlotte, vice president for marketing at Duke Power Co.
- McNeill Smith of Greensboro, a lawyer and former member of the N.C. Senate.
- Claude Pope of Dunn, president and chief executive officer of AMIC Corporation and American Mortgage Insurance Company.
- Allie Peebles of Raleigh, president and general manager of Peebles & Son Masonry Contractors.
- J. Allen Adams of Raleigh, a lawyer and member of the N.C. House of Representatives.
- Petro Kulynych of Wilkesboro, managing director and a member of the board of directors of Lowe's Companies, Inc.

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Seven County Groups Cited

Rural Development Panels Recognized

Seven county Rural Development Panels across the state have been recognized for their outstanding accomplishments during the past year.

The awards were presented during recent Farm-City Week activities in Raleigh.

Each county in North Carolina has a Rural Development Panel which serves as a means of improving inter-agency communication and as a resource group for bringing together information to respond to problems in rural areas. The panels help to improve community services, aid in economic development and land-use planning, and promote the use of alternative energy sources and energy conservation.

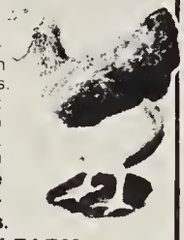
Officials from the U.S. Department of Agriculture (USDA) and agency heads on the county level, along with representatives of local government, serve on the panels. They are patterned after the State Rural Development Committee which is made up of state USDA officials, the heads of various state agencies, officers of 4-H and Future Farmers of America and a representative of the regional planning groups around the state. The director of the Agricultural Extension Service at N.C. State University serves as chairman.

The certificates of achievement, which were presented by the state committee, were awarded to the seven counties by districts for the following projects:

- Cleveland County, Southwestern District—soil testing project.
- Henderson County, Western District—farm and home energy conservation, county transportation plan, soil and water information and assistance.
- Johnston County, North Central District—soil testing and nematode assay drive, promotion of improved forestry management and marketing, land-use planning promotion, and information and assistance on migrant farm labor regulations.
- Lenoir County, Southeastern District—assistance in financial planning and record-keeping fo farmers.
- Montgomery County, Sout Central District—project to brin together private, corporate an public wood lot owners wit individuals needing firewood.
- Pasquotank County, North eastern District—development o a system for comprehensivel reporting agriculture through th newspaper, including a weekl feature called "Farm Facts" whic is written, on a rotation basis, b various county agricultur officials.
- Watauga County, North western District—transportatio plan for a system that wi coordinate county-town-uni versity human services transporta tion efforts while initiating publi transportation services.

Watauga County also receive the Governor's Award as th outstanding rural developmen panel in the state. The panel wa cited for "aggressive and creativ leadership and assistance to th citizens of Watauga County especially in improving land-us planning, human services transportation and cooperativ rural/urban relations."

ARAUCANA CHICKENS
Lay Colored Easter Eggs



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Large, white, single blossoms are conspicuous early in spring. The foliage is attractive all summer, and the fall colors beautiful. Red berries hang on most of the winter. Use as a specimen, or in groups as a background for borders. Grows up to 30 feet high.
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ape Myrtle, Red, Pink, Purple— 1-2 ft.	.99 ea.
rea Van Houttie, White, 1-2 ft.	1.25 ea.
agela, Red, 1-2 ft.	.95 ea.
rsythia, Yellow, 1-2 ft.	.65 ea.
k Spirea, 1-2 ft.	.45 ea
narix, Pink, 1-2 ft.	.65 ea.
sh Honeysuckle, Red 1-2 ft.	.65 ea.
d Flowering Quince, 1-2 ft.	.95 ea
rsian Lilac, Purple, 1-2 ft.	.95 ea.
d Fashion Lilac, 1-2 ft.	1.25 ea.
dal Wreath Spirea, 1-2 ft.	1.25 ea
drangea P.G., 1-2 ft.	.65 ea.
ckorange, White, 1-2 ft.	.45 ea.
eet Shrub, 1-2 ft.	.65 ea.
se of Sharon, 1-2 ft	.45 ea.
ssy Willow, 1-2 ft.	.45 ea.
ssian Olive, 1-2 ft.	.75 ea.
d Barberry, 1-2 ft	.95 ea.
, Snowball, 1-2 ft.	.95 ea.
nch Lilac, Red, Purple, 1-2 ft.	1.95 ea.
tterfly Bush, Purple, 1-2 ft.	1.25 ea.
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k Flow, Dogwood, 2 ft	4.95 ea.
den Rain Tree, 1-2 ft	1.25 ea
den Chain Tree, 1-2 ft.	1.45 ea.
oke Tree, 1-2 ft.	1.95 ea
ble Pink Flow, Cherry, ½-1 ft.	.98 ea
ble Pink Flow, Cherry, 3-5 ft	5.95 ea.
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PEACHES, Varieties: Belle of Ga., Elberta J. H. Hale, Hale Haven, Dixie Red, Golden Jubilee, 1-2 ft. .99 ea.
2-3 ft. 1.95 ea.
3-5 ft. 2.79 ea.

APPLES, Varieties: Stayman, Winesap, Red Delicious, Early Harvest, Red Rome Beauty, Red Jonathan, Lodi, Grimes Golden, Yellow Trans., Yellow Del., Early McIntosh.
2-3 ft. 1.95 ea.
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CHERRIES, Varieties: Montmorency, Black Tartarian, 2-3 ft. 4.49 ea.

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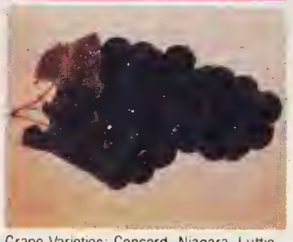
VINES—1-2 Years Old



Grape Varieties: Concord, Niagara, Luttie, Fredonia, Delaware, Catawba, 1 ft. .99 ea.

Red Scarlet Honeysuckle, 1 ft.	.95 ea.
Wisteria, Purple, ½-1 ft.	1.25 ea.
Bittersweet, 1 ft.	.65 ea.
*Clematis, White, ½-1 ft.	.45 ea.
Yellow Jasmine, ½-1 ft.	1.25 ea
*Vinca Minor Clumps	.25 ea
English Ivy, 4-8 inches	.35 ea
Euonymus Coloratus, ½-1 ft	.29 ea
Ajuga Bronze Ground Cov., 1 yr.	.35 ea

NUT TREES—1-2 Years Old

Hazel Nut, 3-5 ft.	3.95 ea.
Butternut, 3-4 ft.	3.95 ea.
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Stuart Pecan, Papershell, 2-3 ft.	7.95 ea
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*American Holly, ½-1 ft.	.65 ea
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Pfitzer, Juniper, ½-1 ft.	.95 ea
Boxwood, ½-1 ft.	.79 ea.
Red Berry Pyracantha, 1 ft.	1.25 ea.
Yellow Berry Pyracantha, 1 ft.	1.25 ea
Burfordi Holly, ½-1 ft.	.95 ea.
Dwarf Burfordi Holly, ½-1 ft.	.95 ea.
Wax Leaf Ligustrum, ½-1 ft.	.45 ea.
Colorado Blue Spruce, ½-1 ft.	.75 ea.
*Mountain Laurel, ½-1 ft.	.65 ea
*Canadian Hemlock, 1-2 ft.	.65 ea
Hetzi Holly, ½-1 ft.	.79 ea.
Japanese Holly, ½-1 ft.	.79 ea.
Helleri Holly, ½-1 ft.	1.25 ea
Andora Juniper, ½-1 ft.	.95 ea.
Jap. Yew, ½-1 ft.	1.25 ea.
Baker Arborviate, ½-1 ft.	.95 ea
Globe Arborvitae, ½-1 ft.	.95 ea
Gardenia, White, ½-1 ft.	.95 ea
Camellia, Red, 4-8 inches.	.95 ea
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Euonymus Manhattan, ½-1 ft.	.39 ea
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Austrian Pine, ½-1 ft.	.75 ea
Mugho Pine, 4-6 inches	.75 ea
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Gooseberry, 2 yr. 1 ft.	1.50 ea
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4 Pampas Grass, White Plumes	2.50
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10 Babybreath, White	2.95
10 Shasta Daisy, Alaska	2.95
10 Lupines, Mixed Colors	2.95
10 Sedium, Dragon Blood	2.95
10 Fall Asters, Mixed Colors	2.95
*10 Yucca, Candle of Heaven	2.95
10 Mums, Mixed Colors	2.95
4 Dahlias, Mixed Colors	2.95

BERRIES, FRUITS, AND HEDGE—1-2 Years Old

10 Rhubarb, 1 yr. Roots	1.95
20 Asparagus, 1 yr. Roots	2.25
25 Strawberry, Blakemore or Tenn. Beauty	2.95
25 Gem. Everbearing Strawberry	2.95
50 South Privet, 1 to 2 ft.	6.95
25 North Privet, 1 to 2 ft.	6.95
25 Multiflora Rose, 1 to 2 ft.	6.95

NATIVE WILD FLOWERS—1-2 Years Old Collected from the mountains.

* 6 Lady's Slipper, Pink	2.50
* 8 Dutchman Breeches, White	2.50
6 Jack in Pulpit, Purple	2.50
*10 Trilliums, Mixed Colors	2.50
*10 Blue Bells	2.50
*10 Maiden Hair Fern	2.50
*10 Christmas Fern	2.50
* 4 Royal Fern	2.50
*10 Cardinal Flowers, Red	2.50

Warning: Due to the natural character of trees and nursery stock, mail order shipments may contain trees and nursery stock which are dead or non-viable and will not survive. Loss of a portion of any order of trees and nursery stock when ordered through the mail is not uncommon. Consult the warranty offered by any mail order nurseryman to determine the degree of protection afforded against such loss."

NOTICE—Planting time for Tenn., Ark., Ga., Ala., Mo., Ky., Tex., Fla., ., Miss., N.C., S.C.—Spring Jan. 15 till April 30—Fall Oct. 1 til Dec. 1. l other states—Spring March 1 til May 20—Fall Sept. 15 til Nov. 1. ese are the best suggested planting dates. However, you can plant y time during these dates if the ground is not frozen. Please state ien you want shipment made, otherwise, we will ship at the best time cording to weather conditions.

NOTICE—If in doubt about any of these plants listed in this ad growing your area, check with your County Agent for advice. **Our plants are rsery grown from cuttings, seeds or budded stock unless otherwise ated. These have never been transplanted. Those marked with (*)**

Asterisks means these are collected from the wild state. Plants are inspected by the Tennessee Department of Agriculture. This gives you a chance to buy at lower prices. You may order as many or as few plants as you wish. Send $2.00 extra with order for postage and packing. RUSH YOUR ORDER TODAY. TWO-WAY GUARANTEE: We ship live plants packed well to reach you in perfect condition. However, sometimes a package gets lost and stays in transit a long time. In this case, in the Fall and Winter when plants are dormant you can scrape on the bark and tell whether the plants are alive or not. If the bark is green it is alive. We believe we have the best guarantee any mail order nursery could possibly offer. Here is our two-way guarantee. First guarantee—When you receive your order, if there are any plants in bad condition, you notify us immediately and we will replace absolutely FREE. Second guarantee—The reason we make this strong guarantee is because there is no reason any of the plants should die. However, if any fail to live within 12 months from the date of delivery, we will replace for one-half of the original purchase price, plus $1.00 for postage and handling. No return of dead plants necessary. We guarantee our plants to be true to name and color. Anything that proves to be wrong color or variety, we will replace free.

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P.O. BOX 125NC • McMINNVILLE, TENNESSEE 37110

GROW HUGE, JUICY TOMATOES IN 90 DAYS!

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SORRY LIMIT OF 1 PACKAGE PER CUSTOMER.

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FULL GUARANTEE

If not completely satisfied with growing progress of your Climbing Tomatoes in 90 days, RETURN THE SHIPING LABEL ONLY for your purchase price refund.

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—— Enclosed is $1.00 for one S6702 Jumbo Pkt. of Climbing Tomato seeds -- Postage Prepaid. Illinois Residents Please Add 5% Sales Tax.

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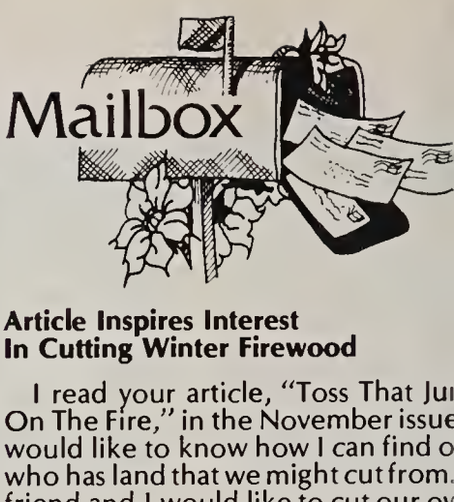
We at Sotz have been making the same quiet offer for years: Try a Monster Maul at our risk! Within one year, if you don't think it's the fastest, least tiring method of splitting firewood, let us know, and we will give you your money back, including shipping....Plus, it's guaranteed against failure for 10 years.

SPECIFICATIONS

Weight:	Head–12 lb. (Total weight 15 lb.)
Construction:	High-carbon steel head, hardened edge. All-steel handle.
Guarantee:	1-YEAR TRIAL OFFER + 10 years against failure.
Price:	**$24.98,** delivered to your door.

Sotz Corporation, 13688 Station Rd., Columbia Station, OH 44028



Article Inspires Interest In Cutting Winter Firewood

I read your article, "Toss That Jun On The Fire," in the November issue would like to know how I can find o who has land that we might cut from. friend and I would like to cut our ov wood for the winter instead of buyi already-cut wood. I'd be grateful f any help you could give me.

Richard A. Sande Goldsbo

North Carolina Forest Servi officials say the local Forest Servi Rangers across the state may be able help homeowners find cut-your-ov sites near their homes. They al suggest that consumers be prepared take advantage of the "green jun that's left after a site has been clear for timber. The owners of these sit often allow individuals to cut su wood, either with or without a charg

Federal Government Taking Power In Matters "Best Left To States"

The "Commentary" by Sen. Robe Morgan in your November issue very significant. He points out that t recent Governors Conference Denver indicated they we "unanimous in feeling that the fede government has seized too mu power. . . . " He says the governo have a strong point, that "too mu authority has been taken by the cent government in matters best left to t states."

But, the record shows that Congr has *given or delegated* much of th authority to the federal governme An example is regional governme for which Sen. Morgan voted August, 1979. This bill empow presidential appointees to determi policy in all the federal agencies whi are represented in Region Government. Regulations and mod legislation is channeled through t governor's office from these agenci

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15 EMCs Set To Sponsor Youth Tour

The countdown for the 1981 Rural Electric Youth Tour to Washington, D.C., is continuing, with most participating Electric Membership Corporations planning to select their winning students during January and February.

A total of 15 EMCs will send one or more high school juniors on the all-expense paid trip to our nation's capital June 13-19, 1981. They are: Blue Ridge, Lenoir; Brunswick, Shallotte; Central, Sanford; Davidson, Lexington; Four County, Burgaw; Halifax, Enfield; Haywood, Waynesville; Jones-Onslow, Jacksonville; Lumbee River, Red Springs; Pitt & Greene, Farmville; Randolph, Asheboro; Tideland, Pantego; Tri-County, Goldsboro; Union, Monroe and Wake, Wake Forest.

Highlights of the week will be visits with North Carolina congressmen and possibly, the newly elected president at the White House. Sightseeing tours will take the students to all the major attractions in Washington.

Students will also have an opportunity to learn more about rural electric cooperatives during a visit to National Rural Electric Cooperative Association headquarters and will learn more about our country's energy situation during a Youth Day program.

Several social events are planned, including a boat ride down the Potomac River, a get-acquainted party with all 900 teenagers from across the country, and an all-states dinner and dance.

Students selected for the Youth Tour will gather in Raleigh June 13 for an afternoon and evening of orientation and get-acquainted activities before departing for Washington on June 14.

High school juniors who live in the area served by these EMCs and are interested in applying should contact the Youth Coordinator at the EMC office.

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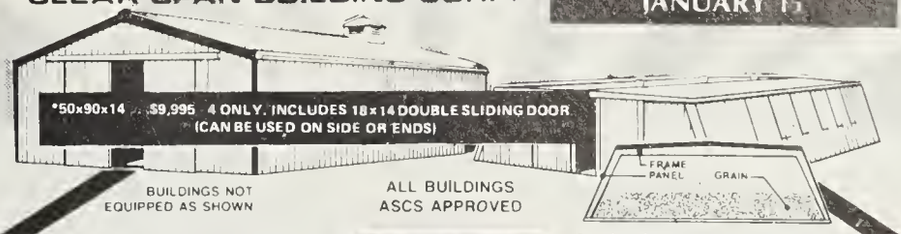

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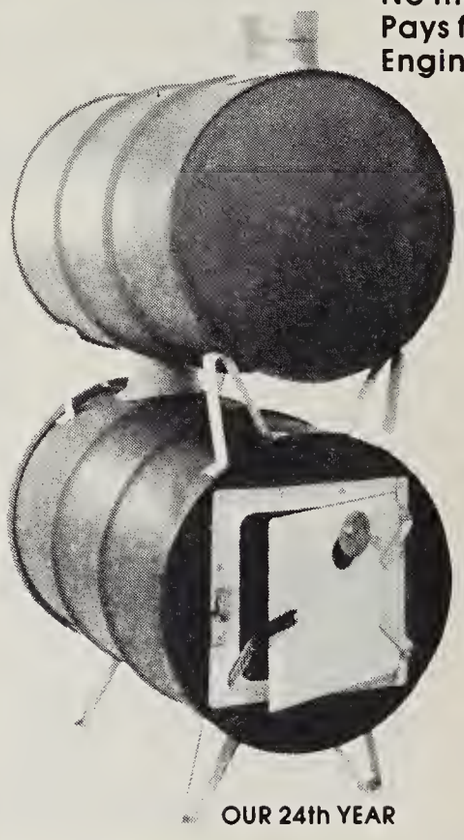

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Kit converts a 55 gallon drum (not supplied) int high capacity wood burner. Features large 1 square door opening, cam-lock door catch, spark-proof design. Patented internal draft chan drott control, ond airtight design allow controll etficient heat, while limiting metal temperatures barrel, to prevent burnup. Use ot draft control allo you to heot large or smoll areas. Basement insto tion heats your entire home. Greot tor your gara workshop, or cobin. Top drum squeezes 60% m BTU's from heat normolly lost up the chimney. Hea steel kit bolts together quick ond easy.

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Price delivered to your door: Bottom Kit **$38.** Top Kit **$20.95** Master card - Visa welcomed

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For office, sick-room, child's room, study, bedroom, den. You'll wonder how you ever managed before you got this sturdy, walnut grain finished, totally adjustable wonder! 22" x 15" spill-proof, wipe-clean top swings across bed, is ideal for serving meals, reading, writing, drawing. Height, angle adjust easily, instantly. Three high-impact plastic wheels won't mar floor, roll easily on carpet. Rugged, black painted metal frame is sturdy enough for typewriter or calculator. Great for kids' homework table, sidetable for convalescent's chair, many office uses, too. And incredibly — the entire table folds down for storage under bed or in closet to an amazing 2½"! You'd expect to pay over $50.00 for a table this well-made, this useful, yet it's yours for only $24.98 on a no-risk money back guarantee — if not delighted return within 14 days for full refund (except postage and handling). Order an extra for the office and save-mail coupon now!

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SAVE: Order two for only $44.98 plus $6 postage & handling.

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In the *Kansas City Star*, an ad in the ersonals column one day had eight ng words—reprehensible, iosyncrasy, extrapolate, plati- dinous, assiduous, plethora, thanasia and desiderata. It was gned by Ronnie Johnson.

The editor wondered what was ing on, so he sent a young reporter find Ronnie Johnson. Ronnie rned out to be a high school phomore whose English teacher had ld the students that she would give automatic "A" to anybody who und those eight words in the paper iring the first semester.

******

A man rushed into a drugstore and ked the druggist how to stop the ccups. The answer was a slap in the ce. Amazed and angry, the man manded the reason for such ehavior.

"Well, said the druggist with a smirk, ou don't have the hiccups now, do ou?"

"No," shouted the customer, "but y wife out in the car still does."

"He wants our sacred vow and a money-back guarantee that the power won't go off Super Bowl afternoon."

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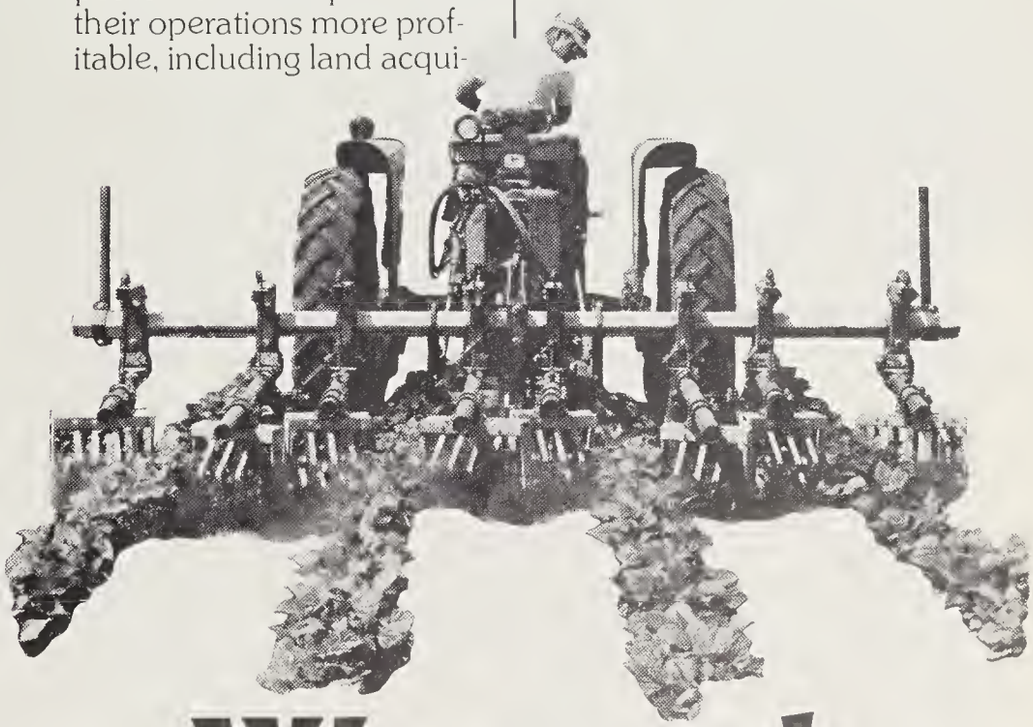

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Only the rose has such great beauty of form, pleasing color range, delightful fragrance and is so adaptable to almost every flower garden. However, since there are thousands of different varieties of roses, you can only be sure of beautiful blooms by selecting varieties that have withstood the test of time and remained popular year after year with amateur and expert alike. Each rose offered in this spring planting sale is a formerly patented variety that has been tested and proven for ease of growth, beauty and abundance of bloom, and hardiness in all parts of the country. These are strong, healthy, vigorous rose bushes. And only $1.98 each!

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These hardy rose bushes are already 2 years old, branched with 2 or more canes, strong, vigorous and healthy . . . tagged with name of variety, well packed for arrival in good condition. If not satisfied on arrival, you may return within 15 days for full refund. Any rose that doesn't grow and develop, we will replace it free (3 year limit).

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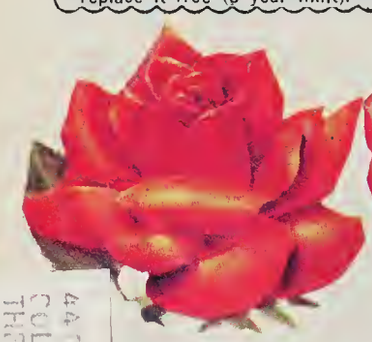
Bonus for orders mai before April 25. Nurs grown from seed. 1 years old. Large bloo on 6 ft. stems

PEACE
Most nearly perfect rose of all. Past "ALL AMERICAN" winner. Produces dozens of blooms up to 8" across almost all summer and fall. Red tinged in ivory, cream, sunshine yellow.

BLANCHE MALLERIN
Pure white Hybrid Tea features large, high centered blooms the whitest of them all. Vigorous grower, glossy foliage.

CRIMSON GLORY
Large, well formed, deep blooms are finest red of all and most fragrant, too. Bloo profusion all summer long.



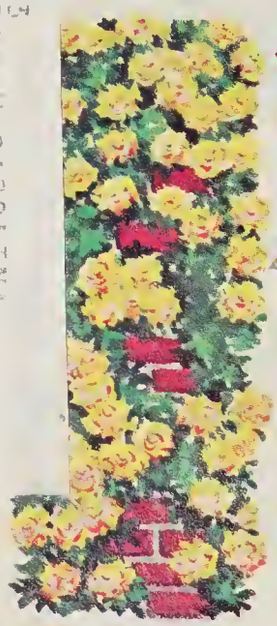
MONTEZUMA
high-centered double blooms lliant scarlet-orange. Vigorous r, blooms profusely on a combush of semi-glossy foliage.

TIFFANY
Large long buds unfold into lush double blooms of beautiful warm pink. "ALL AMERICAN" winner, considered one of the most beautiful of all roses. Intensely fragrant.

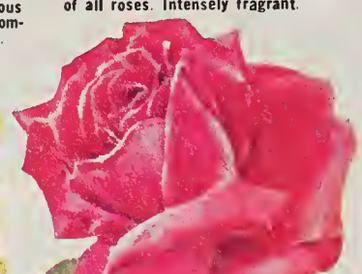
ECLIPSE
Profuse and remarkably long pointed buds open to deep-cupped, long-lasting double golden yellow blooms that come in waves far into fall.

FORTY-NINER
Blooms all summer long with brilliantly contrasting petals, vivid Oriental red inside and chrome yellow outside. Former "ALL AMERICAN ROSE SELECTION".

CLIMBING BLAZ
This champion climbe duces a vivid blank big, 2 to 3 inch scar double blooms on branched canes. again and again, su into fall, covering walls, fence with a of vivid, flaming col



CLIMBING PEACE
Easy growing, flowers generously all summer long with dozens of vivid golden blooms tinged in red or pink. Quickly clambers over fence, arbor or trellis in a rolling blanket of large, gorgeous golden blooms.



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Truly one of the most breathtaking roses, its lovely pink flowers bloom early June to frost. Former "ALL AMERICAN ROSE SELECTION" winner. Finest of the pinks.

CHRYSLER IMPERIAL
Perfectly shaped tapering buds open into large, velvety, dark red blooms with up to 40-50 petals each! Former "ALL AMERICAN ROSE." Richly fragrant.

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Strong, vigorous grower produces many surprisingly large well-formed blooms, as befits a past "ALL AMERICAN ROSE SELECTION" winner. Purplish-red maroon color.

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